**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A single-phase motor comprising:

a stator including a stator iron core formed by laminating a plurality of electromagnetic steel sheets and provided with a slot and single-phase two-pole distributed windings composed of a main winding and an auxiliary winding contained in the slot;

a rotor placed through a gap on an inner circumference of the stator; and

said stator iron core consisting of six notches, each notch formed by a single uninterrupted roughly straight line on an outer circumference edge of the stator iron core, so that a ~~quadrangle~~ rectangle or square is formed by straight lines including four notches out of the six notches.

2. (Canceled)

3. (Original) The single-phase motor of claim 1, wherein the stator iron core is provided with a plurality of slots, among a plurality of slots, at an outer circumferential side of which a notch is not placed, at least one slot is made to have a deeper depth in a radial direction than a slot, at an outer circumferential side of which a notch is placed, so that a large slot and a small slot are formed.

4. (Previously Presented) The single-phase motor of claim 3, wherein a winding to be contained in the large slot has a higher cross section ratio for a slot area than a winding to be contained in the small slot.

5. (Original) The single-phase motor of claim 3, wherein an outer winding of a concentric main winding is inserted in the large slot.

6. (Original) The single-phase motor of claim 1, wherein, in case of inserting windings, the main winding is inserted after the auxiliary winding is inserted to the slot.

7. (Original) A hermetic compressor comprising the single-phase motor of claim 1.

8. (Currently Amended) A single-phase motor comprising:

a stator including a stator iron core formed by laminating a plurality of electromagnetic steel sheets and provided with a slot between each of a plurality of stator teeth, and

single-phase two-pole distributed windings composed of a main winding and an auxiliary winding contained in the slot;

a rotor placed through a gap on an inner circumference of the stator; and

a plurality of evenly spaced semicircular notches having an approximately same width as the stator teeth and each provided at an outer side of each of the

plurality of stator teeth on an outer circumference of the stator iron core wherein the number of semicircular notches corresponds to the number of stator teeth.

9. (Original) A hermetic compressor comprising the single-phase motor of claim 8.

10. (Previously Presented) The single phase motor of claim 8, wherein each semicircular notch is aligned with a respective stator tooth so that their centers are substantially located on the same radial axis.

11. (New) The single phase motor of claim 8, wherein in the assembled state of the single phase motor, each of the plurality of evenly spaced semicircular notches form a flow passage.